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**ABSTRACT**

A security token, a security system and a method for authenticating a client are disclosed. The security token including a one-time password mechanism, for rendering one-time password functionality; a public-key mechanism, for rendering public-key functionality with respect to the one-time password functionality; and wired communication means with a host, for connecting the security token to the host and for providing the security token the power supply required for operating at least the public-key mechanism, thereby enabling rendering one-time password functionality and/or public-key functionality by the security token.